

**Report of  
Endangered, Threatened, and Special Concern  
Plants, Animals, and Natural Communities  
for Muhlenberg County, Kentucky**

**Kentucky State Nature Preserves  
Commission  
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**[www.naturepreserves.ky.gov](http://www.naturepreserves.ky.gov)**

# Kentucky State Nature Preserves Commission

## Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

### STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none    E = endangered    T = threatened    S = special concern    H = historic    X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none    C = candidate    LT = listed as threatened    LE = listed as endangered

SOMC = Species of Management Concern

### RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S#B = Rank of breeding population

S4 = Apparently secure

S#T# = Intraspecific taxa

S#N = Rank of non-breeding population

S5 = Secure

SNR = Unranked

S#M = Rank of transient population

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

### COUNT DATA FIELDS

# OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to have extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

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| County     | Taxonomic Group    | Scientific name                                       | Common name             | Statuses | Ranks         | # of Occurrences |   |   |   |   |
|------------|--------------------|---|-------------------------|----------|---------------|------------------|---|---|---|---|
|            |                    |   |                         |          |               | E                | H | F | X | U |
| Muhlenberg | Vascular Plants    | <i>Amsonia tabernaemontana</i> var. <i>gattingeri</i> | Eastern Blue-star       | E /      | G5T3Q / S2?   | 1                | 0 | 0 | 0 | 0 |
| Muhlenberg | Vascular Plants    | <i>Carya aquatica</i>                                 | Water Hickory           | T /      | G5 / S2S3     | 1                | 1 | 0 | 0 | 0 |
| Muhlenberg | Vascular Plants    | <i>Chelone obliqua</i> var. <i>speciosa</i>           | Rose Turtlehead         | S /      | G4T3 / S3     | 1                | 0 | 0 | 0 | 0 |
| Muhlenberg | Vascular Plants    | <i>Didiplis diandra</i>                               | Water-purslane          | S /      | G5 / S2S3     | 1                | 0 | 0 | 0 | 0 |
| Muhlenberg | Vascular Plants    | <i>Dodecatheon frenchii</i>                           | French's Shooting Star  | S /      | G3 / S3       | 1                | 0 | 0 | 0 | 0 |
| Muhlenberg | Vascular Plants    | <i>Muhlenbergia glabrifloris</i>                      | Hair Grass              | S /      | G4? / S2S3    | 1                | 0 | 0 | 0 | 0 |
| Muhlenberg | Vascular Plants    | <i>Trepocarpus aethusae</i>                           | Trepocarpus             | S /      | G4G5 / S3     | 1                | 0 | 0 | 0 | 0 |
| Muhlenberg | Vascular Plants    | <i>Trifolium reflexum</i>                             | Buffalo Clover          | E /      | G3G4 / S1S2   | 0                | 1 | 0 | 0 | 0 |
| Muhlenberg | Vascular Plants    | <i>Zizaniopsis miliacea</i>                           | Southern Wild Rice      | T /      | G5 / S1S2     | 2                | 1 | 0 | 0 | 0 |
| Muhlenberg | Freshwater Mussels | <i>Cyprogenia stegaria</i>                            | Fanshell                | E / LE   | G1Q / S1      | 2                | 1 | 0 | 0 | 0 |
| Muhlenberg | Freshwater Mussels | <i>Epioblasma obliquata obliquata</i>                 | Catspaw                 | E / LE   | G1T1 / S1     | 0                | 1 | 0 | 0 | 0 |
| Muhlenberg | Freshwater Mussels | <i>Lampsilis ovata</i>                                | Pocketbook              | E /      | G5 / S1       | 0                | 1 | 0 | 0 | 0 |
| Muhlenberg | Freshwater Mussels | <i>Pleurobema plenum</i>                              | Rough Pigtoe            | E / LE   | G1 / S1       | 0                | 1 | 0 | 0 | 0 |
| Muhlenberg | Freshwater Mussels | <i>Pleurobema rubrum</i>                              | Pyramid Pigtoe          | E / SOMC | G2G3 / S1     | 2                | 2 | 0 | 0 | 0 |
| Muhlenberg | Freshwater Mussels | <i>Toxolasma lividus</i>                              | Purple Lilliput         | E / SOMC | G2 / S1       | 0                | 1 | 0 | 0 | 0 |
| Muhlenberg | Freshwater Mussels | <i>Villosa lienosa</i>                                | Little Spectaclecase    | S /      | G5 / S3S4     | 2                | 2 | 1 | 0 | 0 |
| Muhlenberg | Crustaceans        | <i>Orconectes ronaldi</i>                             | A Crayfish              | T /      | G3 / S2S3     | 1                | 0 | 0 | 0 | 0 |
| Muhlenberg | Insects            | <i>Poanes viator</i>                                  | Broad-winged Skipper    | T /      | G5 / S1S2     | 1                | 0 | 0 | 0 | 0 |
| Muhlenberg | Insects            | <i>Stylurus notatus</i>                               | Elusive Clubtail        | E / SOMC | G3 / S1       | 0                | 0 | 0 | 0 | 1 |
| Muhlenberg | Fishes             | <i>Erimyzon sucetta</i>                               | Lake Chubsucker         | T /      | G5 / S2       | 0                | 2 | 0 | 0 | 0 |
| Muhlenberg | Fishes             | <i>Hybopsis amnis</i>                                 | Pallid Shiner           | E / SOMC | G4 / S1       | 0                | 1 | 0 | 0 | 0 |
| Muhlenberg | Fishes             | <i>Ichthyomyzon castaneus</i>                         | Chestnut Lamprey        | S /      | G4 / S2       | 0                | 1 | 0 | 0 | 0 |
| Muhlenberg | Fishes             | <i>Lepomis miniatus</i>                               | Redspotted Sunfish      | T /      | G5 / S2       | 5                | 0 | 0 | 0 | 0 |
| Muhlenberg | Amphibians         | <i>Cryptobranchus alleganiensis alleganiensis</i>     | Eastern Hellbender      | S / SOMC | G3G4T3T4 / S3 | 1                | 0 | 0 | 0 | 0 |
| Muhlenberg | Amphibians         | <i>Hyla avivoca</i>                                   | Bird-voiced Treefrog    | S /      | G5 / S3       | 2                | 0 | 0 | 0 | 0 |
| Muhlenberg | Amphibians         | <i>Hyla cinerea</i>                                   | Green Treefrog          | S /      | G5 / S3       | 1                | 0 | 0 | 0 | 0 |
| Muhlenberg | Reptiles           | <i>Nerodia erythrogaster neglecta</i>                 | Copperbelly Water Snake | S / SOMC | G5T3 / S3     | 6                | 1 | 0 | 1 | 0 |
| Muhlenberg | Reptiles           | <i>Thamnophis sauritus sauritus</i>                   | Eastern Ribbon Snake    | S /      | G5T5 / S3     | 4                | 0 | 0 | 0 | 0 |

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|---------------------------------|-----------------|-----------------------------------|---------------------|--------------|-------------------|------------------|-----------|----------|----------|----------|
|                                 |                 |                                   |                     |              |                   | E                | H         | F        | X        | U        |
| Muhlenberg                      | Breeding Birds  | <i>Ammodramus henslowii</i>       | Henslow's Sparrow   | S / SOMC     | G4 / S3B          | 3                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Ardea alba</i>                 | Great Egret         | E /          | G5 / S1B          | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Asio flammeus</i>              | Short-eared Owl     | E /          | G5 /<br>S1B,S2N   | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Asio otus</i>                  | Long-eared Owl      | E /          | G5 /<br>S1B,S1S2N | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Botaurus lentiginosus</i>      | American Bittern    | H /          | G4 / SHB          | 0                | 1         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Chondestes grammacus</i>       | Lark Sparrow        | T /          | G5 / S2S3B        | 1                | 0         | 0        | 1        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Circus cyaneus</i>             | Northern Harrier    | T /          | G5 /<br>S1S2B,S4N | 2                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Cistothorus platensis</i>      | Sedge Wren          | S /          | G5 / S3B          | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Gallinula chloropus</i>        | Common Moorhen      | T /          | G5 / S1S2B        | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Haliaeetus leucocephalus</i>   | Bald Eagle          | T / Delisted | G5 /<br>S2B,S2S3N | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Ixobrychus exilis</i>          | Least Bittern       | T /          | G5 / S1S2B        | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Pandion haliaetus</i>          | Osprey              | T /          | G5 / S2B          | 2                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Riparia riparia</i>            | Bank Swallow        | S /          | G5 / S3B          | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Tyto alba</i>                  | Barn Owl            | S /          | G5 / S3           | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Breeding Birds  | <i>Vireo bellii</i>               | Bell's Vireo        | S / SOMC     | G5 / S2S3B        | 4                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Mammals         | <i>Myotis austroriparius</i>      | Southeastern Myotis | E / SOMC     | G3G4 / S1S2       | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Mammals         | <i>Myotis grisescens</i>          | Gray Myotis         | T / LE       | G3 / S2           | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Mammals         | <i>Nycticeius humeralis</i>       | Evening Bat         | S /          | G5 / S3           | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Communities     | <i>Bottomland hardwood forest</i> |                     | /            | GNR / S2          | 2                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Communities     | <i>Bottomland marsh</i>           |                     | /            | GNR / S1S2        | 1                | 0         | 0        | 0        | 0        |
| Muhlenberg                      | Communities     | <i>Cypress swamp</i>              |                     | /            | GNR / S3          | 1                | 0         | 0        | 0        | 0        |
| <b>Muhlenberg County Total:</b> |                 |                                   |                     |              |                   | <b>64</b>        | <b>18</b> | <b>1</b> | <b>2</b> | <b>1</b> |